

**Amendments to the specification:**

(A.) Amend the title of the invention as indicated:

RADIATION IMAGE CONVERSION PANEL HAVING MULTIPLE PHOSPHOR LAYERS  
OF DIFFERENT THICKNESS. As amended, the title of the invention  
reads:

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RADIATION IMAGE CONVERSION PANEL HAVING MULTIPLE PHOSPHOR LAYERS  
OF DIFFERENT THICKNESS

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(B.) On page 6, before the heading "DESCRIPTION OF THE  
PREFERRED EMBODIMENTS", enter the following text:

BRIEF DESCRIPTION OF THE DRAWING

Figures 1A and 1B are schematic representations of features  
of the invention involving the thickness of at least two phosphor  
layers in the panel.

(C.) Amend the paragraph bridging pages 7-8 as indicated:

The thickness of each layer of the phosphor layer varies due to desired characteristics of the radiation image conversion panel, the kind of a phosphor, and the like. Normally, the thickness is preferably in a range from 20 to 500  $\mu\text{m}$ , more preferably in a range from 50 to 300  $\mu\text{m}$ . Further, the thickness of each layer may be the same or different. However, when graininess is regarded as relatively more important, the thickness of the uppermost layer is increased (Fig. 1A), and when sharpness and a quantity of emitted light are regarded as relatively more important, the thickness of the uppermost layer is decreased (Fig. 1B), thereby making it possible to control the graininess, the sharpness, and the quantity of emitted light.